

WHAT IS CLAIMED IS:

- 1        1. A system for transferring scanned imaging data from a  
2 scanning device to a personal imaging repository, comprising:  
3                a scanning device capable of obtaining information from items  
4 for scanning imaging data;
- 5                a personal imaging repository associated with a particular user for  
6 storing imaging data that is to be accessed by requested web services;
- 7                an item for storing user information relating to said personal  
8 imaging repository; and,
- 9                a device firmware for storing scanned imaging data from the  
10 scanning device into said personal imaging repository;
- 11               wherein said personal imaging repository is an exchange  
12 infrastructure between the imaging data and available web services on the  
13 Internet.
- 1        2. The system as defined in claim 1 wherein said personal  
2 imaging repository stores the imaging data in a plurality of file formats.
- 1        3. The system as defined in claim 1 wherein said personal  
2 imaging repository comprises an imaging data store assigned to the user for  
3 storing imaging data.
- 1        4. The system as defined in claim 1 wherein said personal  
2 imaging repository comprises a plurality of imaging data stores for storing  
3 imaging data.
- 1        5. The system as defined in claim 4 wherein one of said  
2 plurality of imaging data store is assigned to the user for storing imaging data.

1                 6.     The system as defined in claim 4 wherein one of said  
2     plurality of imaging data store is assigned to a web service for storing imaging  
3     data provided by the web service.

1                 7.     The system as defined in claim 1 wherein said personal  
2     imaging repository comprises a composition store for storing imaging  
3     compositions of the imaging data that are serviced as a single unit.

1                 8.     The system as defined in claim 7 wherein said imaging  
2     composition comprises a link reference for each imaging data that is serviced  
3     as a single unit.

1                 9.     The system as defined in claim 1 wherein said personal  
2     imaging repository is located on another data storage device that is linked to  
3     said imaging client.

1                 10.    The system as defined in claim 1 wherein said item is a  
2     smart card.

3                 11.    A system for transferring scanned imaging data from a  
4     scanning device to a personal imaging repository, comprising:

5                 a personal imaging repository associated with a particular user for  
6     storing imaging data that is to be accessed by requested web services;

7                 a scanning device with user information relating to said personal  
8     imaging repository for scanning imaging data; and,

9                 a device firmware for storing scanned imaging data from the  
10    scanning device into said personal imaging repository;

11                 wherein said personal imaging repository is an exchange  
12     infrastructure between the imaging data and available web services on the  
13     Internet.

14                 12.    A method for transferring scanned imaging data from a  
15     scanning device to a personal imaging repository having an imaging data store

16 for storing the imaging data and a composition store for storing imaging  
17 compositions having links to the imaging data serviced as a single unit, said  
18 method comprising:

19 receiving the scanned imaging data;  
20 obtaining user information relating to the personal imaging  
21 repository;

22 connecting with the imaging data store of the personal imaging  
23 repository indicated from the user information; and,

24 transferring the scanned imaging data to the imaging data store.

1 13. The method according to claim 12 further comprising the  
2 steps of:

3 obtaining a link reference of the scanned imaging data stored in  
4 the personal imaging data store; and,

5 disconnecting from the imaging data store by the scanning  
6 device.

7 14. The method according to claim 12 wherein said step of  
8 connecting with the imaging data store further comprising the steps of:

9 determining whether the connection with the imaging data store  
10 is successful;

11 returning an error message to the user when the connection is not  
12 successful; and,

13 converting the scanned imaging data into a predefined format.

1 15. The method according to claim 14 wherein said predefined  
2 format is any one from the group consisting of:

3 Joint Photographic Experts Group Format;

4 Graphics Interchange Format;

5 Portable Network Graphics Format;

6                   Tagged Image File Format;

7                   Portable Document Format; and,

8                   Microsoft Windows bitmap format.

9                 16. The method according to claim 12 further comprising the  
10 steps of:

11                 obtaining a link reference of the scanned imaging data stored in  
12 the personal imaging data store;

13                 connecting with the composition store of the personal imaging  
14 repository indicated from the user information;

15                 creating an imaging composition having a link reference to the  
16 scanned imaging data stored in the personal imaging data store; and,

17                 saving the imaging composition to the composition store.

1                 17. The method according to claim 16 further comprising the  
2 steps of:

3                 setting the imaging composition as a selected composition  
4 available for service in the composition store; and,

5                 disconnecting from the composition store of the personal imaging  
6 repository.

7                 18. The method according to claim 16 wherein prior to the  
8 step of creating an imaging composition further comprising the steps of:

9                 determining whether the connection with the composition store is  
10 successful; and,

11                 returning an error message to the user when the connection to the  
12 composition is not successful.

1                 19. The method according to claim 16 wherein said step of  
2 creating an imaging composition further comprising the step of adding the link

3 reference of the imaging data stored in the imaging data store to the imaging  
4 composition.

1 20. A computer program product comprising a computer  
2 usable medium having computer readable program codes embodied in the  
3 medium that when executed causes a computer to:

4 receive scanned imaging data;

5 obtain user information relating to the personal imaging  
6 repository;

7 connect with the imaging data store of the personal imaging  
8 repository indicated from the user information; and,

9 transfer scanned imaging data to the imaging data store.

1 21. A computer program product comprising a computer  
2 usable medium having computer readable program codes embodied in the  
3 medium that when installed in a scanning device linked to a personal imaging  
4 repository with an imaging data store for storing the imaging data and a  
5 composition store for storing imaging compositions with links to the imaging  
6 data serviced as a single unit, the product causes the scanning device to:

7 receive scanned imaging data;

8 obtain user information relating to the personal imaging  
9 repository;

10 connect with the imaging data store of the personal imaging  
11 repository indicated from the user information; and,

12 transfer scanned imaging data to the imaging data store.